

Arvada Bridge
Spanning Powder River,
on County Road No. 38
Arvada vicinity
Sheridan County
Wyoming

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HAER No. WY-~~67-N~~

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WYO,
17-ARVA.V,
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PHOTOGRAPHS

WRITTEN HISTORICAL AND DESCRIPTIVE DATA

Historic American Engineering Record
Rocky Mountain Regional Office
National Park Service
U. S. Department of the Interior
P. O. Box 25287
Denver, Colorado 80225

HISTORIC AMERICAN ENGINEERING RECORD

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Arvada Bridge

HAER No. WY-~~17~~⁶⁶

Location: Spanning Powder River, on County Road No. 38, at the southern fringe of Arvada, in Sheridan County, Wyoming

UTM: 13.410415.4945545

Quad: Arvada N.E.

Date of Construction: 1917

Builder/Designer: Monarch Engineering Company of Denver

Present Owner: Sheridan County
220 South Main
Sheridan, Wyoming 82801

Present Use: Vehicular Bridge

Significance: The Arvada Bridge is a pin connected Parker Through truss and one of only two examples remaining of its type in the State. It is one of the most significant of Wyoming's early bridges.

Historians: Clayton B. Fraser and Richard G. Ewig
November 1981

~~NOTE: For more general information, see Wyoming Truss Bridges Survey,
HAER No. WY-17~~

I. HISTORY

In February 1917, the Sheridan County Commissioners received bids for four steel truss, one over Powder River at Arvada, a 100-foot span over Clear Creek, an 80-foot span over Tongue River, and a 60-foot span over Lower Prairie Dog Creek. The Monarch Engineering Company of Denver received the contract out of a field of eight bidders, with a proposal of \$18,000.00 (\$19,201 the day before).¹

II. DESCRIPTION

The Arvada Bridge is a single span, steel pin connected eight panel Parker Through Truss. The span length is 160 feet with a roadway width at 15 feet, 6 inches. The deck is steel with timber stringers and decking.

The abutments are concrete full retaining. Top chords are two channels with cover plate and lacing; bottom chords are rectangular eyebolts; verticals are two channels with lacing; diagonals are paired eyebolts, angle and round rod sway bracing and angle struts and guardrail.²

¹ Sheridan County Commissioners' Minutes, February 7, 1916, November 8, 1916, and February 6, 1917.

² Wyoming Truss Bridge Survey, Wyoming State Highway Department.